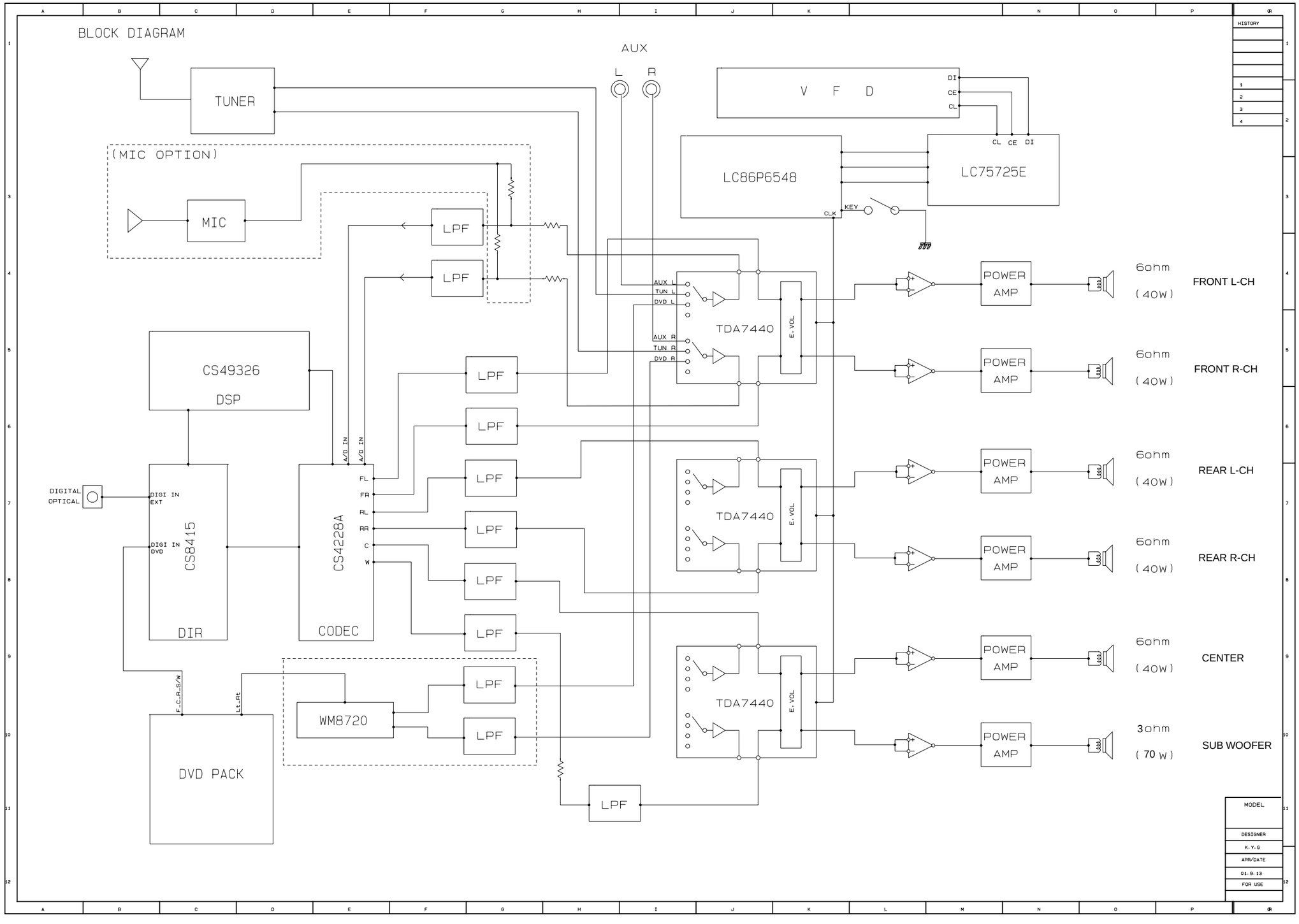
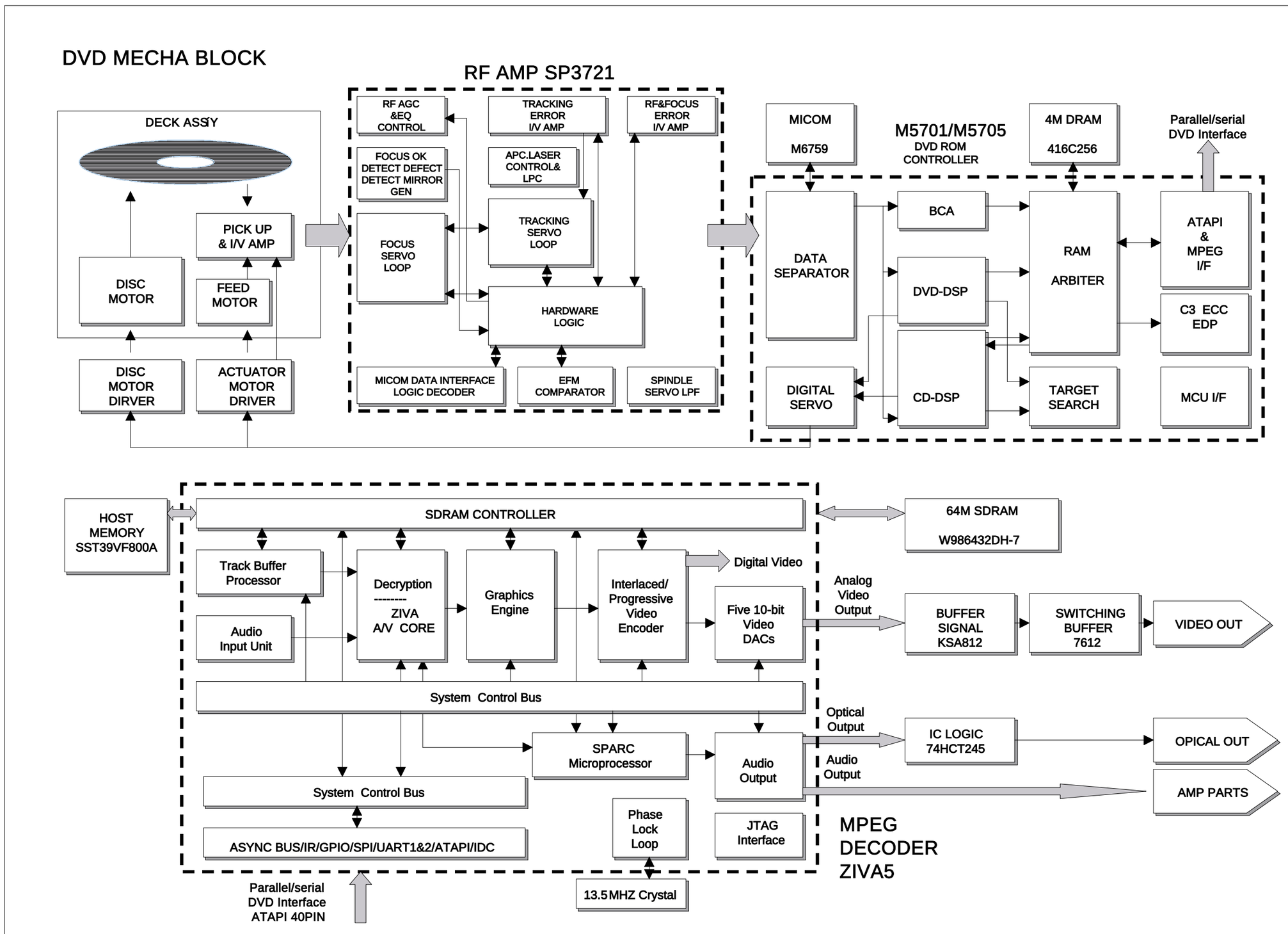
4. Block Diagram

4-1 MAIN Part




DVD MECHA BLOCK
RF AMP SP3721
DECK ASSY
PICK UP & I/V AMP
DISC MOTOR
FEED MOTOR
DISC MOTOR DIRVER
ACTUATOR MOTOR DRIVER
RF AGC &EQ CONTROL
TRACKING ERROR I/V AMP
RF&FOCUS ERROR I/V AMP
FOCUS OK DETECT DEFECT DETECT MIRROR GEN
APC.LASER CONTROL& LPC
FOCUS SERVO LOOP
TRACKING SERVO LOOP
HARDWARE LOGIC
MICOM DATA INTERFACE LOGIC DECODER
EFM COMPARATOR
SPINDLE SERVO LPF
MICOM
M6759
M5701/M5705
DVD ROM CONTROLLER
4M DRAM
416C256
Parallel/serial DVD Interface
DATA SEPARATOR
BCA
DVD-DSP
DIGITAL SERVO
CD-DSP
RAM
ARBITER
ATAPI & MPEG I/F
C3 ECC EDP
TARGET SEARCH
MCU I/F
HOST MEMORY SST39VF800A
SDRAM CONTROLLER
64M SDRAM
W986432DH-7
Track Buffer Processor
Audio Input Unit
Decryption
ZIVA A/V CORE
Graphics Engine
Interlaced/ Progressive Video Encoder
Digital Video
Five 10-bit Video DACs
Analog Video Output
BUFFER SIGNAL KSA812
SWITCHING BUFFER 7612
VIDEO OUT
System Control Bus
Optical Output
IC LOGIC 74HCT245
OPICAL OUT
SPARC Microprocessor
Audio Output
Audio Output
AMP PARTS
System Control Bus
ASYNC BUS/IR/GPIO/SPI/UART1&2/ATAPI/IDC
Phase Lock Loop
JTAG Interface
MPEG DECODER ZIVA5
Parallel/serial DVD Interface ATAPI 40PIN
13.5 MHZ Crystal